### PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT002	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IN 2004/000395	(Earliest) Priority Date (day/month/yea 23 December 2003 (23.12.200	International filing date (day/month/year) 22 December 2004 (22.12.2004)
Applicant ALL II	NDIA INSTITUTE OF MEDICA	AL SCIENCES
This international search report has been according to Article 18. A copy is being	prepared by this International Searching transmitted to the International Bureau.	Authority and is transmitted to the applicant
This international search report consists of the latest	of a total of <u>4</u> sheets.  a copy of each prior art document cited in	n this report.
language in which it was filed, un  The international	less otherwise indicated under this item, search was carried out on the basis of a t	e basis of the international application in the ranslation of the international application furnished
to this Authority b. With regard to any nucleotid	(Rule 23.1(b)). e and/or amino acid sequence disclosed	I in the international application, see continuation of this first sheet.
3. Unity of invention is lacki 4. With regard to the title, the text is approved as subr	d unsearchable (see continuation of this first sheet) ing (see continuation of this first sheet) mitted by the applicant. Ed by this Authority to read as follows:	first sheet)
5. With regard to the abstract,  the text is approved as substitute that has been established sheet. The applicant may, we comments to this Authority	ed, according to Rule 38.2(b), by this Autwithin one month from the date of mailin	hority as it appears in the continuation of this first g of this international search report, submit
as suggested by the applica as selected by this Authorit	y, because the applicant failed to suggest y, because this figure better characterizes	a figure.

# 10/584454 IAP2 Rec'd PCT/PTO 22 JUN 2006

### INTERNATIONAL SEARCH REPORT

International application No. PCT/IN 2004/000395

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Continuation No. I:

Nucleotide and/or amino acid sequence(s)

(Continuation of item 1.b of the first sheet)

- 1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
- a. type of material: a sequence listing
- b. format of material: in written format
- c. time of filing/furnishing: contained in the international application as filed.

## Continuation No. II:

Observations where certain claims were found unsearchable

(Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

Claims Nos.: 10 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

Claim 10 does not concern technical features. See Rules 6.2(a) and 39.1(v).

## INTERNATIONAL SEARCH REPORT

International application No. PCT/IN 2004/000395

A. CLASSIFICATION OF SUBJECT MATTER IPC? (-120 1/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC?: C120 1/68 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  STN-registry, BLASTn, WPI, Medline C. DOCUMENTS CONSIDERED TO BE RELEVANT Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  4. US 2003/0162182 A1 (SALOTRA et al.) 28 August 2003 (28.08.2003) claims.  A. BURNS, J.M. et al. Molecular characterization of a kinesin-related antigen of Leishmania chaqassi that detects specific antibody in African and American viscorial leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 1993, Vol. 90, No. 2, pages 775-779  the whole document.  A. US 5834592 A (REED et al.) 10 November 1998 (10.11, 1998)			TOMNZ	004/000595
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  IPC': C12Q 1/68  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched	IPC7: C120	Q 1/68	onal classification and IPC	
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  STN-registry, BLASTn, WPI, Medline  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  A US 2003/0162182 A1 (SALOTRA et al.) 28 August 2003  (28.08.2003)  claims.  A BURNS, J.M. et al. Molecular characterization of a kinesin-related antigen of Leishmania chagasi that detects specific antibody in African and American viscoral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 1993, Vol. 90, No. 2, pages 775-779  the whole document.  A US 5834592 A (REED et al.) 10 November 1998 (10.11.1998)  1-9    Further documents are listed in the continuation of Box C.    Special erapatics of cred documents.	Minimum doc	numentation searched (classification system followed b	y classification symbols)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  A US 2003/0162182 A1 (SALOTRA et al.) 28 August 2003 1-9  BURNS, J.M. et al. Molecular characterization of a kinesin-related antigen of Leishmania chagasi that detects specific antibody in African and American visceral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 1993, Vol. 90, No. 2, pages 775-779  the whole documents.  A US 5834592 A (REED et al.) 10 November 1998 (10.11.1998) 1-9  Further documents are listed in the continuation of Box C.  Special categories of cited documents.  A US 5834592 A (REED et al.) 10 November 1998 (10.11.1998) 1-9  Further documents are listed in the continuation of Box C.  Special categories of cited documents.  """ later document defining the general state of the art which is not considered to be of particular relevance.  """ later document published after the international filing date or principle active principle or they underlying the invention condense to considered to involve an art or increase in the continuation of other incenses.  """ later document of particular relevance: the claimed invention condenses to considered to involve an art or increase the claimed invention cannot be considered in vivolve an in	Documentatio	on searched other than minimum documentation to the	extent that such documents are included	l in the fields searched
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A BURNS, J.M. et al. Molecular characterization of a kinesin-related antigen of Leishmania chagasi that detects specific antibody in African and American visceral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 1993, Vol. 90, No. 2, pages 775-779  the whole document.  A US 5834592 A (REED et al.) 10 November 1998 (10.11.1998) 1-9  **Special categories of cited documents:  **Special categories of cited documents:  **Special categories of cited documents:  **Comment defining the general state of the art which is not considered to be of particular relevance  **Comment defining the general state of the art which is not considered to be of particular relevance  **Comment defining the general state of the art which is not considered to fining date  **Comment defining the general state of the art which is released to the consideration of	Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
antigen of Leishmania chagasi that detects specific antibody in African and American visceral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 1993, Vol. 90, No. 2, pages 775-779 the whole document.  A US 5834592 A (REED et al.) 10 November 1998 (10.11.1998) 1-9  **Special categories of cited documents:	Α	(28.08.2003)	.) 28 August 2003	1-9
**Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance artificing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 2 May 2005 (02.05.2005)  Name and mailing address of the ISA/AT  Austrian Patent Office  Dresdner Straße 87, A-1200 Vienna  "See patent family annex.  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventior step when the document is taken alone """ document referring to an oral disclosure, use, exhibition or other means """ document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventior cannot be considered to involve an inventior and invention cannot be considered to involve an inventior and obscument is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document priority date claimed  Date of the actual completion of the international search 2 May 2005 (12.05.2005)  Name and mailing address of the ISA/AT  Authorized officer  MOSSER R.	A	antigen of Leishmania chagasi that del African and American visceral leishma National Academy of Sciences of the U 1993, Vol. 90, No. 2, pages 775-779	tects specific antibody in niasis. Proceedings of the	1-9
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance to be of particular relevance or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  2 May 2005 (02.05.2005)  Name and mailing address of the ISA/ AT  Austrian Patent Office  Dresdner Straße 87, A-1200 Vienna  "A" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is taken alone document is considered to involve an invention cannot be considered to involve an invention of the considered for invention cannot be considered novel or cannot b	Α		ember 1998 (10.11.1998)	1-9
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* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  2 May 2005 (02.05.2005)  Name and mailing address of the ISA/ AT  Austrian Patent Office  Dresdner Straße 87, A-1200 Vienna  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention eannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention or other such documents. such combination being obvious to a person skilled in the art  "&" document member of the same patent family  Date of mailing of the international search report  12 May 2005 (12.05.2005)  Authorized officer  MOSSER R.	Further	documents are listed in the continuation of Box C.	See patent family annex.	
Date of the actual completion of the international search 2 May 2005 (02.05.2005)  Name and mailing address of the ISA/AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna  Date of mailing of the international search report 12 May 2005 (12.05.2005)  Authorized officer MOSSER R.	"A" document to be of "E" earlier a filing da "L" document cited to special r"O" document means "P" document document document document document document reas to be be desired to be de	nt defining the general state of the art which is not considere particular relevance pplication or patent but published on or after the internationate it which may throw doubts on priority claim(s) or which establish the publication date of another citation or othereason (as specified) intreferring to an oral disclosure, use, exhibition or other the published prior to the international filing date but later the	d priority date and not in conflict to understand the principle or the document of particular releving an inventive step when the document of particular releving to the document of particular releving to the document of particular releving to the document is combined with documents, such combination skilled in the art	with the application but cited cory underlying the invention annot be considered to involvement is taken alone ance; the claimed invention is an inventive step when the one or more other such being obvious to a person
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